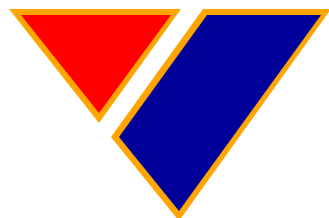


SPAWAR



**Statement A: Approved for
Public Release; Distribution
is Unlimited**

SPAWAR 05 Office of the Chief Engineer

FORCEnet Engineering Conference Opening Flag Day

June 28, 2005

**RDML Will Rodriguez
SPAWAR 05
Office of the Chief Engineer
will.rodriquez@navy.mil**



FORCEnet CHIEF ENGINEER RADM Kenneth Slaght

SPAWAR CHIEF ENGINEER RDML(s) Will Rodriguez

COS / EA
CAPT Cathy Thomas

FLAG ADVISORS

SEA WARRIOR
CAPT
Mark Compton

IO
CAPT
Steven K. Tucker

ISR
CAPT
Jeffrey Rocker

JOINT/CIPO
Steven Sardi
(acting)

IA
Skip Thaeler

TECHNICAL DIRECTOR
Craig Madsen

PROCESS
METRICS

TECH
AUTHORITY

EXECUTIVE DIRECTOR Mr. Thomas Higbee

SES

DEPUTY EXEC DIRECTOR
Charles Suggs

EXCOMM
CONSORTIA
VSYSCOM

ADMIN

FINANCIAL

Workload
Balance w/
DH/Domains

DEPUTY CHENG Ms. Michelle Bailey

SES

05 Domain
CHENGs
(reporting)

C2 DOMAIN

PEO-C4ISR
PMW 150
Mike Spencer

Rich Jalte (SD)
Kevin McGee (CH)

05 Domain CHENG
CDR John Armantrout

CDR T. Monroe (150)
Kelly Sobron (150)

Dennis Gette (CH)
Michael Dorko (SD)
Chris Burns (SD)

Michele McGuire
Judith Byram

COMMS/NETWORKS DOMAIN

PEO-C4ISR
PMW 160
Robert Wolborsky
PMW 170
CPT John Pope

Donald Endicott (SD)
Charles E. Adams (CH)

05 Domain CHENG
Delores Washburn
Peter Almazan

Mike A. Shirley (CH)
Tom Hegner (SD)
Ken Boyd (SD)

John Quintana
Richard Woods
John Isaacson

ISR/IO DOMAIN

PEO-C4ISR
PMW 180
CPT Michael Huff

Carmela Keeney (SD)
Jerry Koenig (CH)

05 Domain CHENG
Leonard Coppenrath

John Shea (180)

Bruce Carter (CH)
Kevin L. Corcoran (SD)
Erik Helgeson (SD)

Robert Leone
Mike Prickett

BUS IT DOMAIN

PEO-IT
PMW 164-NMCI
CPT Mark Compton

Richard M. Fuller (NF)
Harry Thompson (NO)

05 Domain CHENG
Fulton Fulton

Linda Kusar-Fischer (NF)
John Fraser (NF)
Bob Buckley (NO)

Michael P. Bennett

COMBAT SYS/** HM&E DOMAIN

05 Domain CHENG
John Hong

Robert Innocenti

Aviation SYS** DOMAIN

05 Domain CHENG
TBD

Kirby L. Johnson (CH)

ASSESSMENTS & EXPERIMENTATION CAPT Kent Bradshaw

Deputy
Bill Rix

ARCHITECTURE & HUMAN SYSTEMS Diane Quashnock

Deputy
CDR Patrick G. Roche

IMPLEMENTATION/ TEST/CERT Scott Cramer

Deputy
Keven Nelson

FORCENET TOOLSET CDR Anthony Karkainen

Deputy
Dan Green

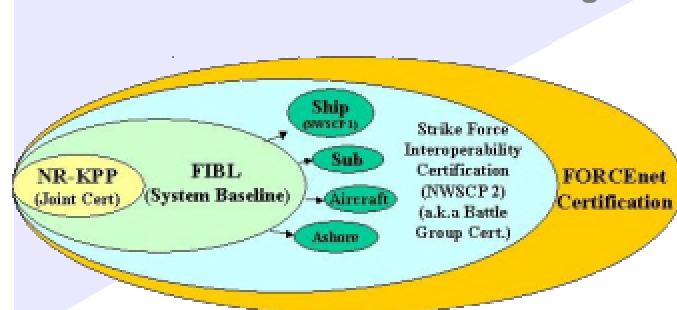
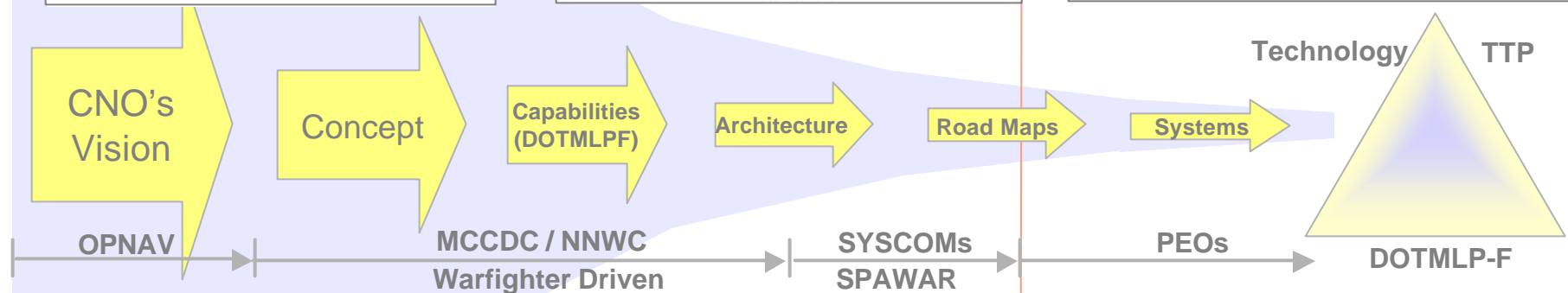
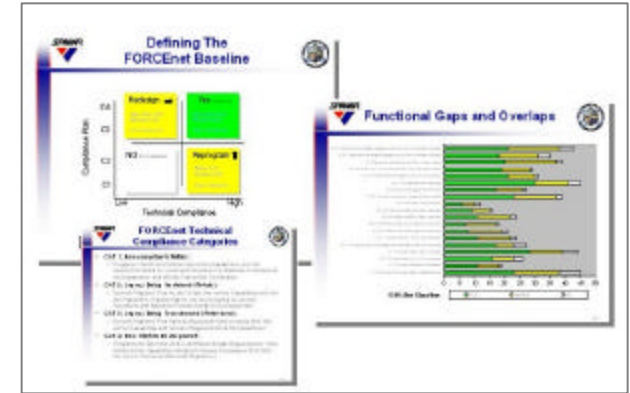
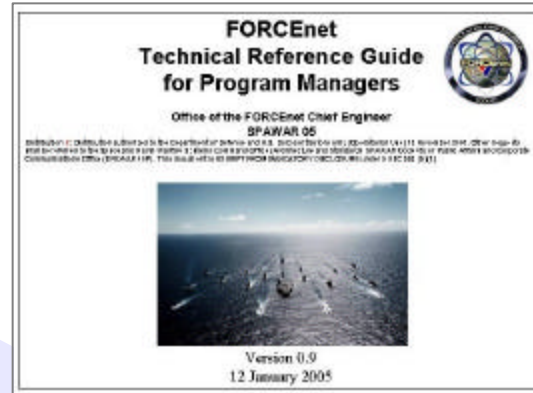
NAVY MARINE CORPS INTRANET (NMCI) Vince Squitieri

Alternate
Linda Weissenberger

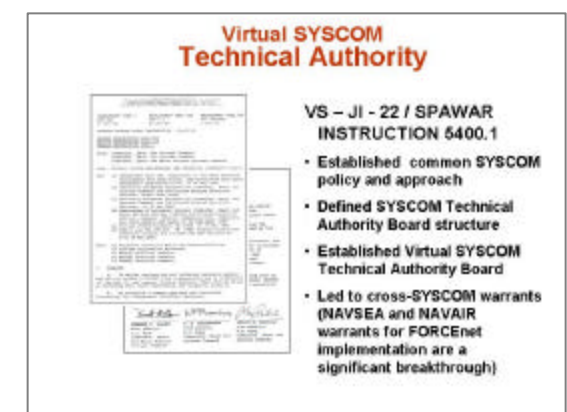
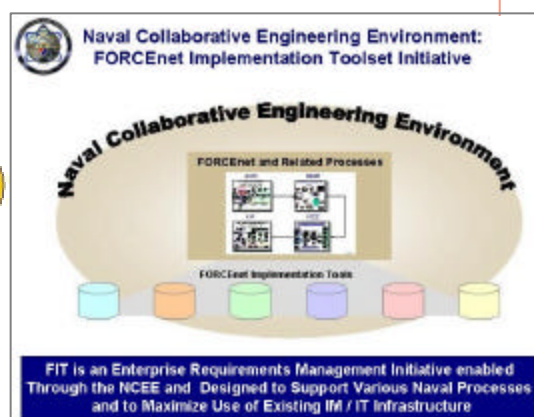


Ensuring FORCEnet Compliance

Currently Available:



In Development:





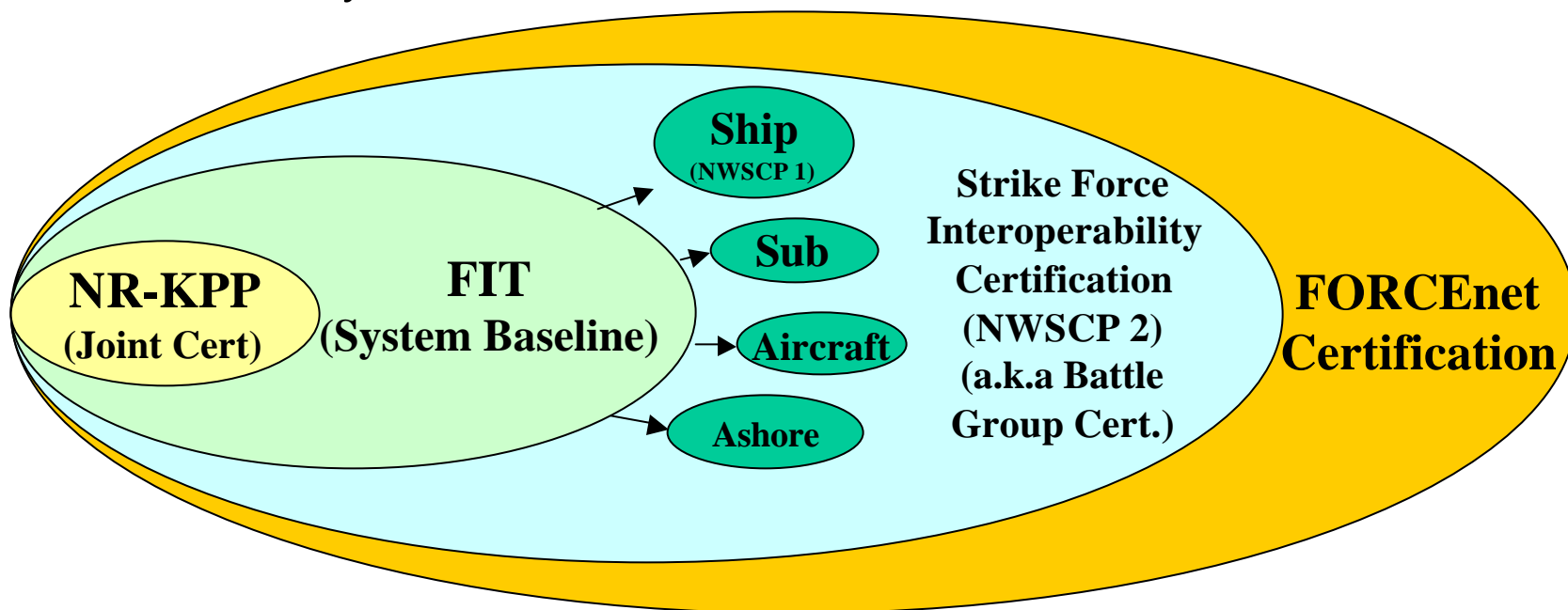
SPAWAR 05 Current Initiatives

- FIBL → NCEE
- AV → TV → SV
- Assessments
- Experimentation
- Technical Authority
- Sea Warrior / HSI



FORCEnet Certification

- How Will NR-KPP Test Result Be Used?
 - For joint interoperability certification
 - For FORCEnet implementation baseline in FIBL
 - For platform certification (e.g., ship or aircraft or sub)
 - For Strike Force Interoperability Certification (per C5IMP directed by CFFC)
 - Ultimately, for FORCEnet Certification



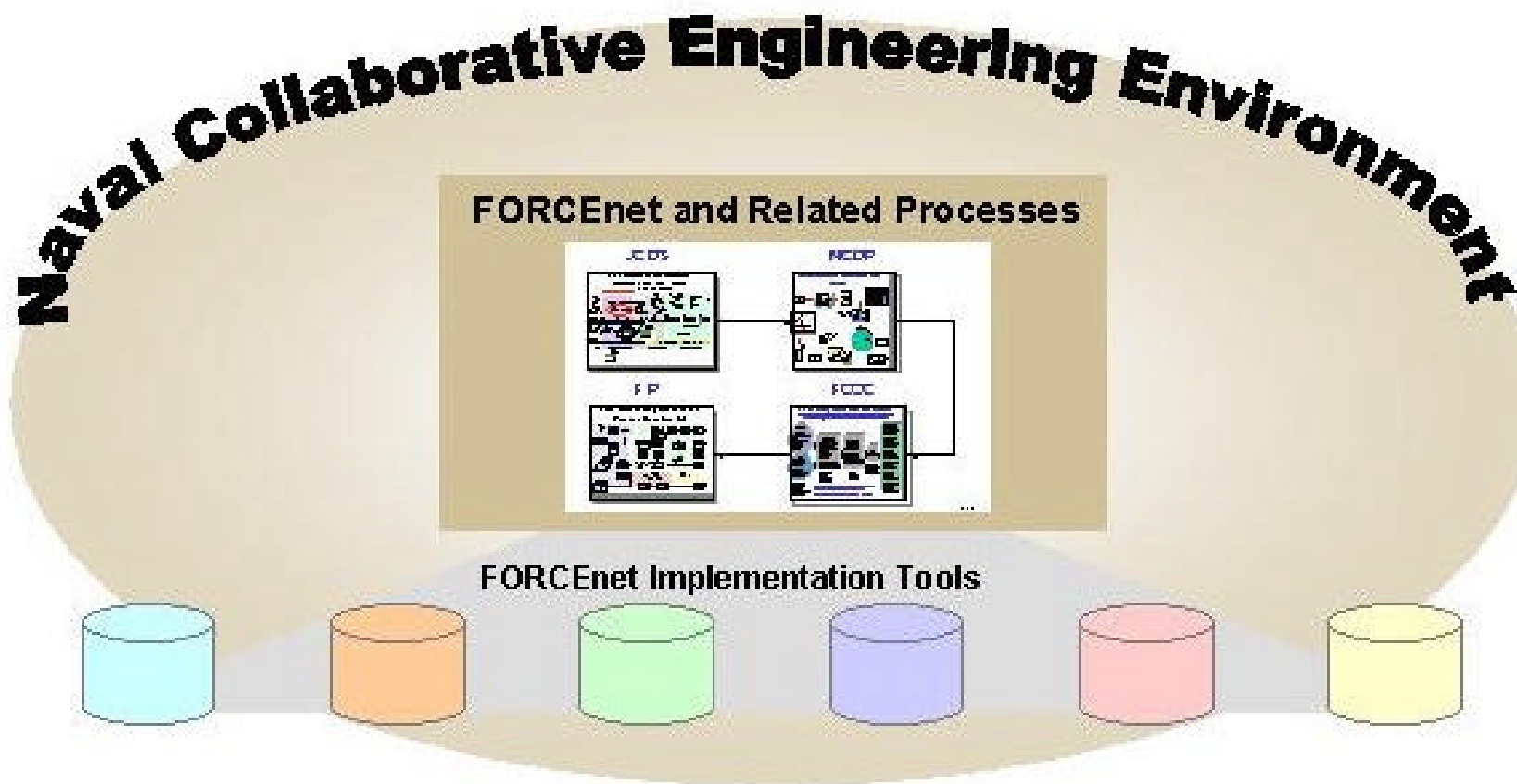


Implementation/Test Certification

- Products
 - NR-KPP Migration Plans, ISPs, JCIDS Documents
 - FORCEnet Testing Process Document
 - OPNAV 9410, SPAWAR 5238/3960, Naval Warfare Systems Certification Policy (NWSCP)
 - Draft DoD IPv6 Master Test Plan, Navy IPv6 Technical Transition Strategy
 - Implementation Support for BSN
 - CTO Project Proposals
 - Recommendations for Approval of C4ISR Systems Shore Installations
 - RLBTSS Systems Engineering Support
- Customers
 - NNWC, PEO C4I & Space, PEO IT, MARCORSYSCOM, Virtual SYSCOM



Naval Collaborative Engineering Environment: FORCEnet Implementation Toolset Initiative



FIT is an Enterprise Requirements Management Initiative enabled Through the NCEE and Designed to Support Various Naval Processes and to Maximize Use of Existing IM / IT Infrastructure

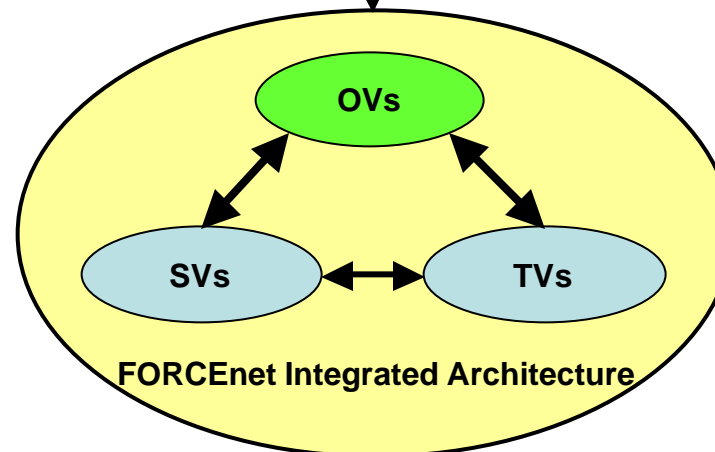
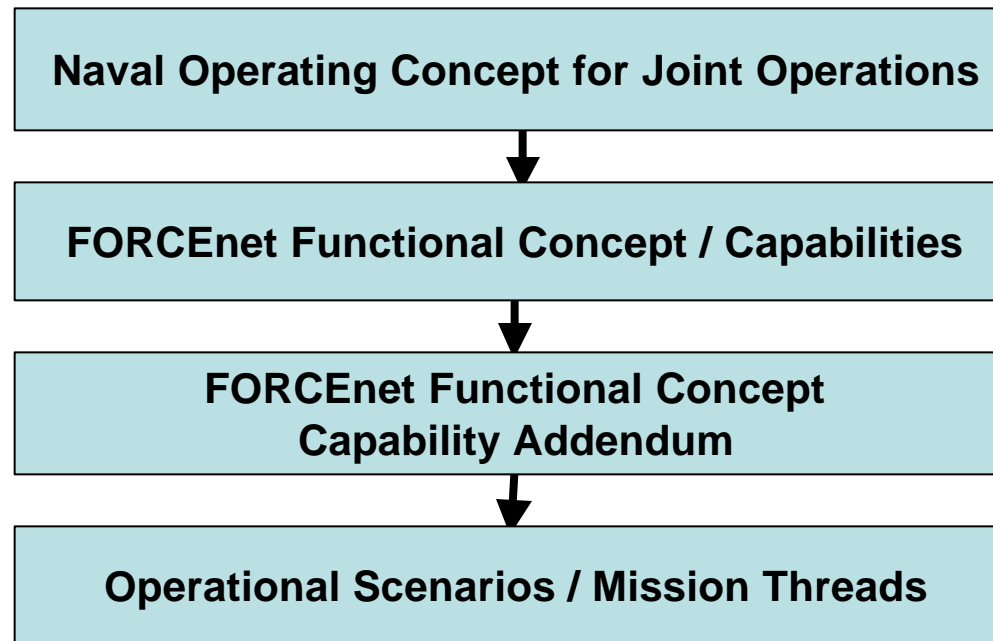


FORCEnet Implementation Toolset

- Work Performed
 - Design, build, field FIBL Software Application
 - Enterprise Level Management of Fn Tool Requirements
 - Community Liaison for FORCEnet Implementation (05 Compliance WG lead)
- Products
 - Software Application Development: FIBL V0.9
 - FORCEnet Implementation Toolset Concept of Operations
 - FORCEnet Data Strategy Concept of Operation
- Customers
 - PMs, OPNAV, ASN RDA, NNWC, DON CIO



Capabilities Based Process for FORCEnet Integrated Architecture



OV – Operational View
SV – System View
TV – Technical View



Assessments

- Work Performed (currently 5 msn funded billets)
 - Perform OPNAV N70-directed studies and analyses in support of NCDP
 - Provide analysis support to OPNAV N71 in developing the Fn ISPP
 - Provide Modeling and Simulation expertise, tool development and parameters to N81 and N7
 - Provide N7 with potential Fn issues for study based on input from NETWARCOM, PEO C4I, and other PEO's
 - Participate in VS NCDP Support Team
 - Validate analysis results and study assumptions with PEO C4I
 - Relate study efforts to the PEO C4I roadmaps
 - Coordinate tasking with SPAWAR 02 contracts.



Assessments

- Work Performed Cont'd
 - Work with modelers SSC-SD, SSC-CH and contractors to characterize what we need to model.
 - Support architecture product development for each assessment.
 - Coordinate data collection efforts and study alignment cross SYSCOMS.
 - Monitor S&T and R&D model development efforts for future use.
 - Provide technical and financial management and tracking of overall task.
 - Update the FORCEnet Domain List and review and validate with PEO C4I and across SYSCOMS
 - Develop the final report and briefing and brief OPNAV on final results.



Assessments

- Products
 - Requirements and Functional Analyses and Studies
 - Modeling and Simulation inputs
 - Functional Allocations
- Customers
 - OPNAV N704
 - PEOs, ASN RDA
 - NETWARCOM

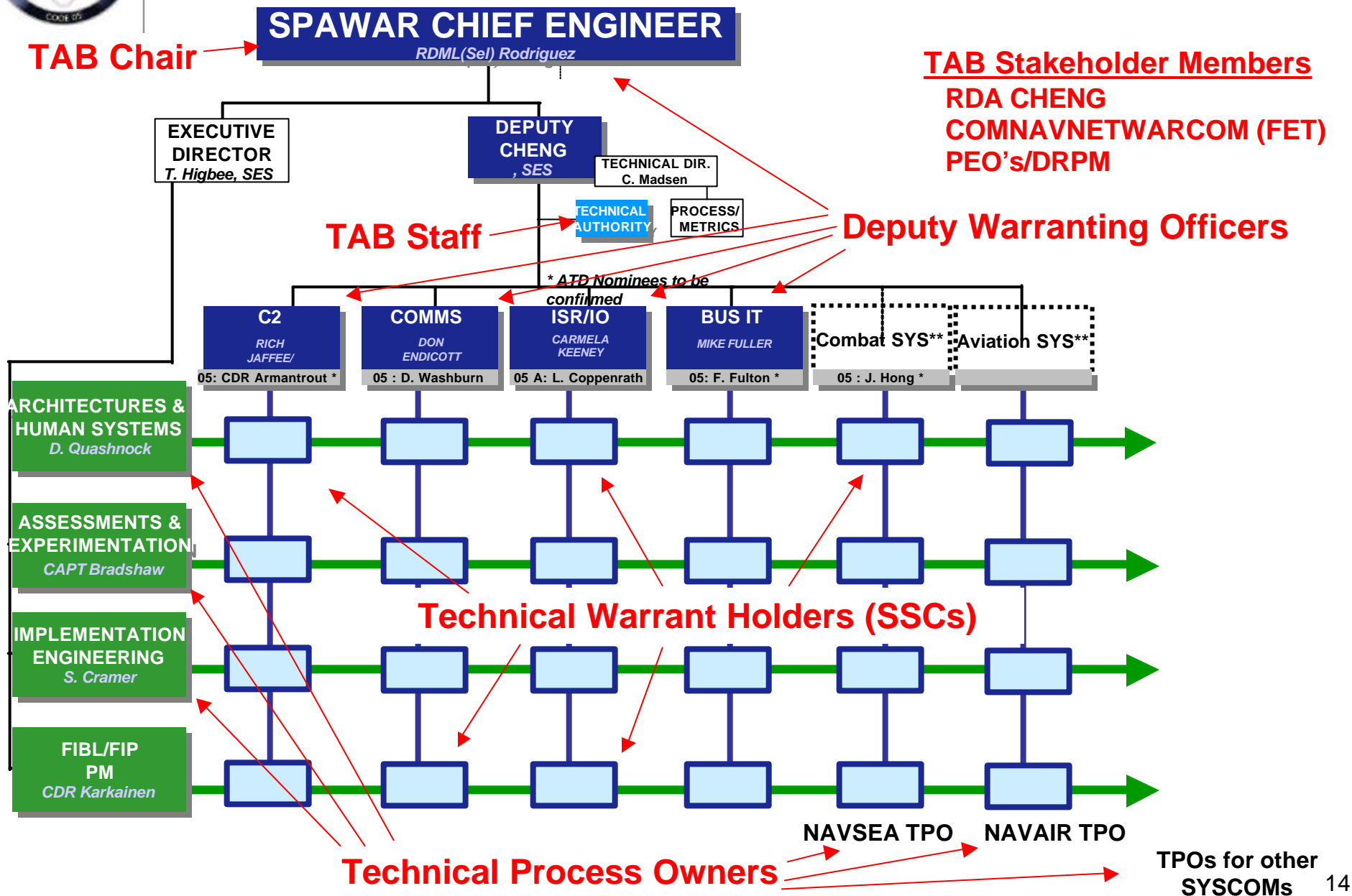


Experimentation

- Supports near term FORCEnet experimentation
- Focus is “Speed To Capability”
 - Spiral development of PEO C4I & Space Programs Of Record
- Experimentation Venues:
 - Sea Trial (Sea Power 21 enabling process)
 - JRAE (Joint Rapid Architecture Experimentation)
 - Trident Warrior
 - Provide Military Utility Assessments to the Sea Trial Executive Steering Group for CFFC POM recommendations
 - CWID (Coalition Warrior Interoperability Demonstration)
 - JCS directed annual event
 - Dedicated to US force component as well as coalition interoperability
 - Oversight by JFCOM



SPAWAR Technical Authority





Domain CHENGs

- Work Performed
 - Coordination between Program Offices and SPAWAR Echelon 3 activities
 - Support of OPNAV/ASN-driven technical queries
 - Study Support
 - Dual-hatted as PM Technical Directors
- Products
 - White Papers
 - Study Reports
 - Modeling and Simulation Qualitative Analysis
 - Intellectual Capital
- Customers
 - OPNAV Staff
 - Program Offices
 - SPAWAR Echelon 3 Technical Directors and Deputies
 - Virtual SYSCOM



Way Ahead

Goals per 7 June 2005 SPAWAR 05 Strategic Offsite

- Synchronize the delivery of FORCEnet capabilities across Programs of Record (PORs)
- Develop the investment process that enables the Fn community to influence POR funding, so that it is based on desired capabilities
- Define, develop and implement an end-to-end systems engineering process across SP05
- Develop Relationships with FORCEnet Leaders / Peers. Partner with all constituents
- Apply FORCEnet Systems Engineering Process to Ensure FORCEnet Services Infrastructure and Battle Space Networking Address the End to End Requirements & Instantiates FORCEnet
- Effectively & efficiently manage our resources to perform our mission